

PAG / University of Arizona Transportation Research Seminar

Friday, February 24, 2017 – 2:00 p.m.

Today's Topic: Technologies for Watershed Planning and the intersection with Landuse, Transportation, Climate Change, and Growth

Pima Association of Governments

1 East Broadway Blvd., Suite 401
4th Floor Santa Rita Conference Room 405

Agenda

- 1. Introductions, Meeting Purpose & Announcements**
- 2. Presentations**

Climate Projections and Sector Adaptations (20 min)

Kathy Jacobs, Director of Center for Climate Adaptation Science and Solutions at University of Arizona

This presentation will review what we know about climate projections in the Southwest and potential adaptation measures for the many impacted sectors. These projections and sector responses draw out the importance of the relationships between water and land use planning. Considerations include but are not limited to policies for reliable water supply for new subdivisions, evaluating potential flood impacts, and preventing land subsidence caused by groundwater overdraft.

Modeling Water Supply & Demand within Climate Change (20 min)

*Kathy Chavez, Water Policy Manager, Pima County Office of Sustainability
Eve Halper, Natural Resource Specialist, Bureau of Reclamation*

The US Bureau of Reclamation and local Southern Arizona partners are collaborating on the three-year Lower Santa Cruz River (LSCR) Basin Study. The Study encompasses the groundwater basin defined as the Tucson Active Management Area. The overarching goal is to identify where physical water resources are needed in order to mitigate supply-demand imbalances due to climate change and other factors, and to develop a strategy to improve water reliability for the municipal, industrial, agricultural, and environmental sectors. The study will include a focus on riparian areas. Local partners include the Southern Arizona Water Users' Association, Pima Association of Governments, Cortaro-Marana Irrigation District, Arizona Department of Water Resources, Central Arizona Water Conservation District (CAP) and the University of Arizona.

Improving Street Drainage to Support Tree Shade for a Resilient Human Environment (20 min)

Mead Mier, Sustainability Coordinator, PAG

Transportation safety, stormwater quality improvements, water supply enhancements and heat mitigation can be provided through green infrastructure (GI). PAG's Regional GI Plan is using geographic analysis, such as tree canopy, stormflows, and street networks, to create innovative, data-driven recommendations. Audience feedback will help to drive the queries for priority needs and opportunities in our region.

- 3. Conclusion/ Future Schedule**

The Meeting Room is accessible to persons with disabilities. In compliance with the Americans with Disabilities Act (ADA), those requiring special assistance, such as large-type face print, sign language or other reasonable accommodations, may request those through the administrative offices at: 1 East Broadway, Suite 401, Tucson, Arizona 85701 (520) 792-1093, at least twenty-four hours before the meeting. Si necesita ayuda con traducción, llame por favor al 792-1093 y comuníquese con Nathan Barrett.